MEASUREMENTS OF THE SOLAR CONSTANT OF RADIATION AT CALAMA, CHILE.

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In continuation of preceding publications, I give in the following table the results obtained at Calama, Chile, in May, 1920, for the solar constant of radiation. The reader is referred to this Review for February,

August, and September, 1919, for statements of the arrangement and meaning of the table.

Date.	Solar	ıs rei		1 60	this REVIEW			or February,		Solar			Trans- mis- sion	Humidity.			_
		Method.			H	umidit	y.	Remarks.	Date.	Solar const.	Method.	i I	cient at 0.5 micron.	ρ/ρSC.	v. p.	Rel. hum.	Remarks.
	COIISI.			cient at 0.5 micron.	ρ/ρSC.	v. P.	Rel. hum.		1920 A. M. 19	cal. 1.958	M ₂₋₅	S	. 852	.448	cm. .27	Per cent. 32	Cirro cumuli in easi
1920 A. M. (ay 1	cal. 1.933	M _{1.40}	s	0.859	0.610	cm. 0.41	Per cent. 25	Cirriall over sky pre- vented earlier ob-		1.960	v.						preventing. Ms. Chuquismoke prevented lons method. Cumul in north.
. 2	1.950	Ма			. 608	.20	21	servations. Wind carrying dust at times. Possibly someChuquismoke.	20	1.959	M ₂ W. M E ₀ M ₈	VG+	.874	. 633	.23	30	
	1.947 1.948	M2								1.947	M _{2.5} W. M						
3	1.983	W. M E	VG+	. 853	.600	.18	18			1.961	W. M						
	1.955			****					. 21	1.922	М3	8-	.868	. 693	.10	12	Probably Chuqu smoke below sur
	1.962 1.950	M ₂ M _{1.4}								1.939	M ₂₋₅	. -					DIMORO DOION DEL
	1.961	M _{1.1} W. M M ₃								1.930	W . M						
4	1.953 1.961	Ma	B	.865	.560	.17	14		22	1.907	M3	s-	. 864	. 603	.12	16	Chuqui smoke belov sun.
	1,954	M1.5								1.931	М•		İ				bun.
5	1.957 1.938	W. M M ₂	·###	.861	.644	. 19	17	Smoke from Chuqui		1.946	M _{2·5}						
6	1.932	Ма		1	.578	.17	19	near sun. Cirri in west. Some smoke from Chuqui.	. 23	1.934	W. M M ₃		.873	. 683	.10	12	Slight streakiness in east, perhaps Chi
	1.958	<u>M</u> 3				ļ				1							du smoke. Cir
7	1.949 1.945	W. M Ma		l	.549	22	22	Some cirri in north-						Ì	1	,	appearing in wes
	1.010	'mrg	u+		.020	1	1	west. Probably		1.937	M ₂						
		3/-		· ·				someChuquismoke.		1.947	M _{1.5} W. M						
	1.964	M ₂	1						24		M _{1.67}	g_	. 862	.654	.20	16	Some cirri in east.
	1.952	W. M							41	1.946	M ₁₋₅	5-	.602	.002			Come carrin case.
P. M.	1.950	Мз	s	.872	. 615	. 32	19	Some haze and dust. Chuqui smqke near	25	1.938 1.960	M _{1.6} W. M M ₂		.865	.598	.18	21	Very thin cirri sea tered about muc
	1.961 1.957	M ₂₋₁₄ W. M						sun.			1						of sky. Earlier of servations prevented by smok
A. M. 9	1.200	M2.28	s	. 864	.541	. 22	. 22	Some scattered cirri in southwest rap- idly vanishing.		1.966 1.963							and clouds.
10	1.932 1.921 1.968	M ₂ W. M M ₂		963	.533		21	Smoke from Chuqui	. 26	1 _	Мв		. \$65			19	Distant cirri i
10	1		1		i .	'		near sun.							}	ì	smoke interferre with Ms and pro
	1.907 1.938	₩1		• -			-				l		1				vented M ₂₋₅ .
11	1.969	M _{1.6} W. M E ₀	E	. 870	.688	.15	15	Gusts of wind carried		1.921	M ₂ W. M	·					1
	1	-			Ì		1	some dust at times	27			a	. 875	711		13	Distant cirri in eas
	1 .			1	5	1	1	during early observations.	21	1.954	M ₂₋₅						1-130aire Cirri III Cas
	1.972	M ₂	.	-			.	.		1.957 1.959	M3			-		.	·
,	1.970	Mg	·	-	• • • • • • • • • • • • • • • • • • • •	-			28		W.M Ms	8	.871	.671	.10	12	Very distant cirri
•	1.961 1.968	M ₁ s W. M M ₈										1			1	1	northwest. Smol
. 12	1,950	Ма	. B	. 870	.612	.16	13	Smoke from Chuqui below sun in M ₃ .				l	i i	1		1	from Chuqui an from lime kiln me
	1.950	M2	.		.		.	DCIOW COM IN MAS.							ļ	1	have interferre with M ₂ .
	1.965	M2 M1.5			-	-	-	•		1 050	Ma.	1	1		i		With Ma.
13	1.952 1.942	1 YY - 201	8	.863	.631	.12	10	Cirri low in east mov- ing rapidly away		1.948							
	1 041	M						prevented Ms. 9:00 Cirri appearing in west. M1.5 pre- vented by smoke coming from west.	29	1.919	M ₂₋₅	. S- 	. 867	.706	.08	8	Cirri in southeas Chuqui smoke pr vented lon method and Ms and probably i terferred with M
	1.961 1.955	M ₂₋₅ W. M			.	1					1		1	1	1	1.	and M ₂ .
14	1.974	E	. P+	. 823	.488	.18	19	Cirri in west and south.		1.947 1.940	M ₂ W. M	-	-	-	1		:
	1.920	М2-5	·		-	ļ		Chuqui smoke in east mostly below sun, apparently in			E ₀	VG	. 862	.747	.07	9	Strong gusty wir from east raisi some dust.
			1	1	1	1	1	early bolograph.		1.995	Мз		-		-	-	
	1.952 1.937 1.960 1.956 1.955	М	.	·	.	-	.	•		1.969 1.967	M2.5	-		-	-		-
16	1.937	W.M Ms	- -ġ	- 869	. 522	23	25	•		1.977	M ₃ W. M	1	1		1	1]
16	1.956	M	7						31				.872	.768	.07	9	
	1 1 055	Мэ.т	.					-		1	1	1				1	qui smoke in es
	1.800	1007 34	1							1	1					1	Drevenme in
17	1.957 1.945	W.M			.668	15	19	Chuqui smoke pre- vented other ob-									preventing lo method and l Probably affect